

TERMS OF ADMISSION
TO
PRINCETON UNIVERSITY

IN EFFECT JUNE, 1905,
AND THEREAFTER

Candidates entering in 1905 may enter under the requirements stated in the Princeton University Catalogue for 1903-1904, pp. 70-79, 154-171, except that each candidate shall pay the entrance fee.

For information concerning Entrance and Courses of Instruction apply to H. N. VanDyke, Registrar of the University, Princeton, New Jersey.

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ENTRANCE FEE

Each candidate who proposes to take the Princeton Entrance Examination in June must send to the Registrar before June 1st,

1.) A statement containing his name and address, the place at which he proposes to take the examination, and the subjects in which he wishes to be examined.

2.) A certificate of moral character.

3.) A fee of five dollars, either by money order or cheque payable to *Princeton University*.

In return he will receive a receipt from the Registrar which he must show to the examiner when he registers at the examination.

Each candidate who takes the examination in September must pay this fee unless he has already paid it in June, but those who have paid this fee in June shall be admitted without further payment to the September examinations of the same year. Candidates taking examinations in different years shall pay the fee each year.

Each candidate admitted to any class otherwise than by the regular examinations of the University, (e. g., on certificate of the College Entrance Examination Board,) shall pay an admission fee of five dollars.

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ENTRANCE EXAMINATIONS

All candidates for examination in Princeton must report at the Faculty Room in the University Offices half an hour before the first examination begins. Examinations for admission will be written, with supplementary oral examinations if needed. The first examination will begin in Princeton, on Thursday, June 15th, 1905, at 9 A. M., and will continue through Saturday forenoon. The second will begin on Monday, September 18th, 1905, at 2 P. M. Applicants who have any conditions or other deficiencies from the June examination are required to remove them at the September entrance examinations. *Attendance is required at the beginning of the examinations.*

Simultaneously with the June entrance examinations in Princeton, examinations will also be held in the cities of New York, Philadelphia, Pittsburg, Albany, Buffalo, Chicago, Cincinnati, Cleveland, Columbus, Denver, Harrisburg, Indianapolis, Kansas City, Louisville, Newark, Omaha, Portland, Ore., St. Louis, St. Paul, San Antonio, Scranton, Syracuse, Washington, Wilkesbarre, and at such preparatory schools and other cities as the number of candidates or the distance from other places of examination may justify. The places in which the examinations are to be held can be learned by application to the Registrar.

Examinations at other times and places than those specified are very inconvenient and often impracticable, and applicants for examination on other than the regular days must obtain previous permission by writing to the Registrar, and are required to pay \$10 into the treasury.

All candidates for admission to any class, or as special students, must bring with them satisfactory testimonials of good moral character, preferably from their last instructors, and if the candidate has been a member of another college, university, or similar institution, he must produce a certifi-

cate from its President or Faculty that he is free from censure in that institution.

Each applicant for admission should be provided with a statement, signed by his teacher, as to his fitness to be examined in each of the subjects which he offers. The statement is merely for the information of the examiners, and is in no sense an admission certificate.

No candidate is admitted into the undergraduate department without examination and a vote of the Faculty.

PRELIMINARY EXAMINATIONS

At the examinations in June and September, candidates intending to enter the Freshman class one year later are admitted to examination in a portion of the subjects required for entrance. Certificates as to preparation in the subjects in which the candidate wishes to be examined should be presented.

FRESHMAN ENTRANCE REQUIREMENTS

The following entrance requirements are defined for the most part in close accordance with recommendations of the National Educational Association and of the College Entrance Examination Board. It is recommended that candidates be prepared for examination on the requirements as specified, but equivalents will be accepted. The University will in all cases be the judge of the equivalence of subjects offered as substitutes for the specified requirements.

There are three regular forms of entrance to the courses leading to degrees in Princeton University, *viz.* (1) Entrance for those who offer Greek and are candidates for the degree of A. B. (2) Entrance for those who do not offer Greek and are candidates for the degree of Litt. B. or B. S. (3) Entrance for those who are candidates for the degree of C. E.

The Freshman entrance requirements for candidates for the various degrees given in course in Princeton University are as follows: (The detailed statement of each subject is given on a later page.)

FRESHMAN ENTRANCE REQUIREMENTS FOR THE COURSE
LEADING TO THE DEGREE OF A. B.

HISTORY. One and only one of

1. American History and Civil Government,
2. English History,
3. Ancient History.

GREEK.

1. Greek Grammar,
2. Greek Composition A,
3. Xenophon,
4. Homer A.

LATIN.

1. Latin Grammar,
2. Latin Composition A,
3. Cæsar, (four books),
4. Cicero A, (six orations),
5. Vergil A, (six books),
6. Sallust, (Catiline).

ENGLISH.

1. English A, (reading),
2. English B, (careful study).

MODERN LANGUAGES. One and only one of

1. French A,
1. German A.

(For maximum requirements leading to advanced standing in French, see French B, and in German, see German B. Papers will be regularly set in French A, and in German A. Candidates desiring to offer either French B or German B, must notify the Registrar on or before May 1st, preceding the examinations.)

MATHEMATICS.

1. Algebra to Quadratics, A I,
2. Algebra, Quadratics through the Binomial Theorem, A II,
4. Plane Geometry.

FRESHMAN ENTRANCE REQUIREMENTS FOR THE COURSE LEADING TO THE DEGREES OF LITT. B. AND B. S.

N. B.—Hereafter the degree of Bachelor of Science (B. S.) will be open to those who concentrate in one of the Mathematical or Scientific Departments during the Junior and Senior years, and the degree of Bachelor of Letters (Litt. B.) has been constituted to be open to those who concentrate in one of the Departments in philosophical, political, literary, or other humanistic studies. The entrance requirements for these two degrees are identical.

HISTORY. One and only one of

1. American History and Civil Government,
2. English History,
3. Ancient History.

LATIN.

1. Latin Grammar,
2. Latin Composition A,
3. Cæsar, (four books),
4. Cicero A, (six orations),
5. Vergil A, (six books),
6. Sallust, (Catiline).

ENGLISH.

1. English A, (reading),
2. English B, (careful study).

MATHEMATICS.

1. Algebra to Quadratics, A I,
2. Algebra, Quadratics through the Binomial Theorem, A II.

4. Plane Geometry,
5. Solid Geometry,
6. Plane Trigonometry.

MODERN LANGUAGES AND SCIENCE. One and only one of the following five combinations:

1. French A and 1. German A,
2. French B and Physics A or B,
2. French B and Chemistry,
2. German B and Physics A or B,
2. German B and Chemistry.

FRESHMAN ENTRANCE REQUIREMENTS FOR THE COURSE
LEADING TO THE DEGREE OF C. E.

ENGLISH.

1. English A, (reading),
2. English B, (careful study).

FOREIGN LANGUAGES. One and only one of the three languages:

Latin (1. Latin Grammar, 2. Latin Composition A,
3. Cæsar, 4. Cicero).

French (1. French A),

German (1. German A).

MATHEMATICS.

1. Algebra to Quadratics, A I,
2. Algebra, Quadratics through the Binomial Theorem, A II.
4. Plane Geometry,
5. Solid Geometry,
6. Plane Trigonometry.

SCIENCE. One and only one of the two sciences:

Physics A or B,

Chemistry.

[It is recommended that all candidates should receive instruction in freehand drawing before entrance.]

FRESHMAN ENTRANCE SUBJECTS

HISTORY

(One and only one of 1, 2, 3 to be offered for A. B., Litt. B., and B. S. entrance.)

It is recommended that each of the following courses be pursued in the spirit and by the methods suggested in the Report of the Committee of Seven of the American Historical Association on the Study of History in Schools. (The Macmillan Co. 1899.)

1. *American History and Civil Government.* The course of study recommended for American History and Civil Government should occupy four exercises a week for one year. Military details may be neglected. The origins of the American people and the development of their political life should be clearly understood in their main outlines.

2. *English History.* For the period preceding the Norman invasion a brief outline will suffice. The course of English History after that event down to 1850 should be carefully studied with proper reference to the development of political institutions.

3. *Ancient History.* For the present the requirement will be restricted to Greek History to the death of Alexander the Great, and Roman History to the accession of Commodus. As soon as it appears practicable, notice will be given and the requirement will be extended to comprise "Ancient History with special reference to Greek and Roman History, and including also a short introductory study of the more ancient nations and the chief events of the Middle Ages down to the death of Charles the Great (814)." It is recommended that instruction in the schools should be extended to comprise Ancient History in the sense above defined.

GREEK

(1, 2, 3, 4 to be offered for A.B. entrance.)

1. *Greek Grammar.* The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

2. *Greek Composition A.* Consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

3. *Xenophon.* The first four books of the *Anabasis*.

4. *Homer A.* The first three books of the *Iliad* (omitting II, 494-end).

Greek 5 and 6 are approved substitutes for 4. Candidates desiring papers in these subjects or desiring to offer any other substitute for 4, must notify the Registrar of the University on or before May 1st, preceding the examinations.

5. *Homer B.* The sixth, seventh, and eighth books of the *Iliad*.

6. *Herodotus.* Selections from the seventh book, sections 1-60 and 172-239.

Papers will be regularly set in Greek 11 and 12. These subjects are not required, nor may they be substituted for any of the specified subjects, but excellence in them will be taken into account in the general estimate of the candidate's Greek papers.

11. *Greek Composition B.* Consisting of continuous prose, based on Xenophon, and other Attic prose of similar difficulty.

12. *Sight Translation.* Based on prose of no greater difficulty than Xenophon's *Anabasis*.

LATIN

(1, 2, 3, 4, 5, 6 to be offered for A.B., Litt. B., and B.S.; 1, 2, 3, 4 to be offered for C. E. unless a modern language be offered.)

1. *Latin Grammar.* The inflections; the simpler rules for composition and derivation of words; syntax of cases and verbs; structure of the sentence in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

2. *Latin Composition A.* Translation into Latin of detached sentences and very easy continuous prose, based upon Cæsar and Cicero.

3. *Cæsar.* Any four books of the Gallic War, preferably the first four.

4. *Cicero A.* Any six orations from the following list, but preferably the first six mentioned.

The four orations against Catiline, Archias, the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

5. *Vergil A.* The first six books of the Æneid.

6. *Sallust.* The Catiline.

Papers will be regularly set in Latin 7, which is an approved substitute for 6. Candidates desiring to offer 8, 9, 10 or any other substitute for any part of the specified subjects 3, 4, 5, or 6, must notify the Registrar of the University on or before May 1st, preceding the examinations.

7. *Ovid.* Twenty-five hundred lines from the Metamorphoses.

8. *Vergil B.* The last six books of the Æneid.

9. *Vergil C.* The Eclogues and Georgics.

10. *Cicero B.* De Amicitia and De Senectute.

Papers will be regularly set in Latin 11 and 12. These subjects are not required, nor may they be substituted for

any of the specified subjects, but excellence in them will be taken into account in the general estimate of the candidate's Latin papers.

11. *Latin Composition B.* Consisting of continuous prose of moderate difficulty, based on Cicero.

12. *Sight Translation.* Based exclusively on prose of no greater difficulty than the easier portions of Cicero's orations.

ENGLISH

(Both 1 and 2 to be offered by all candidates.)

The examination will be based upon the books prescribed by the uniform entrance requirements in English. Questions as to the subject matter, structure, and style of these books will be asked. Candidates must be prepared in all of the books required for the year of examination. For 1905 the books prescribed are:

1. *English A.* For reading, *Shakespeare's* The Merchant of Venice and Julius Cæsar, *Addison's* Sir Roger de Coverley Papers in The Spectator, *Goldsmith's* The Vicar of Wakefield, *Coleridge's* The Ancient Mariner, *Scott's* Ivanhoe, *Carlyle's* Essay on Burns, *Tennyson's* The Princess, *Lowell's* The Vision of Sir Launfal, *George Eliot's* Silas Marner.

2. *English B.* For careful study, *Shakespeare's* Macbeth, *Milton's* Lycidas, Comus, L'Allegro, and Il Penseroso, *Burke's* Speech on Conciliation with America, *Macaulay's* Essays on Milton and Addison.

For 1906, 1907 and 1908 the books prescribed are:

1. *English A.* For reading, *Shakespeare's* The Merchant of Venice and Macbeth, *Addison's* Sir Roger de Coverley Papers in The Spectator, *Coleridge's* The Ancient Mariner, *Scott's* Ivanhoe and The Lady of the Lake, *Tennyson's* Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur, *Lowell's* The Vision of Sir Launfal, *George Eliot's* Silas Marner, *Irving's* Life of Goldsmith.

2. *English B.* For careful study, *Shakespeare's* Julius Cæsar, *Milton's* Lycidas, Comus, L'Allegro, and Il Penseroso, *Burke's* Speech on Conciliation with America, *Macaulay's* Essays on Samuel Johnson and Addison.

GERMAN

1. *German A.* Candidates should be able to translate at sight a passage of simple German; to put into German short English sentences taken from the language of everyday life or a passage of simple connected prose; and to answer questions upon the rudiments of grammar.

Satisfactory preparation for this examination is furnished in the two-year course in elementary German recommended by the Modern Language Association. The course comprises drill in pronunciation, memorizing easy sentences, the rudiments of grammar with easy exercises illustrating grammatical forms and principles, and the reading of 75 to 100 pages of graduated texts from a reader, followed by 150 to 200 pages of easy stories and plays. It is recommended however that not more than one play be read.

2. *German B.* Candidates should be able to translate at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of ordinary English; and to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation.

Satisfactory preparation for this examination is furnished by the intermediate German course of three years recommended by the Modern Language Association. In addition to the preparation suggested for German A this preparation comprises the reading of about 400 pages of moderately difficult prose and poetry, with continued practice in grammar and composition.

FRENCH

1. *French A.* Candidates should be able to translate at sight easy French prose, to put into French simple English sentences, or a passage of easy connected prose, and to answer questions on the rudiments of the grammar.

Satisfactory preparation for this examination is furnished in the two-year course in elementary French recommended by the Modern Language Association. The course comprises drill in pronunciation, the rudiments of grammar, memorizing easy sentences, with easy exercises illustrating grammatical forms and principles, translation into French, writing French from dictation, and the reading of 100 to 175 pages of graduated texts, followed by 250 to 400 pages of easy modern prose in the form of stories, plays, or historical biographical sketches.

2. *French B.* Candidates should be able to translate at sight ordinary French prose or simple poetry, to put into French a connected passage of English prose and to answer questions involving a more thorough knowledge of syntax than is expected in French A.

Satisfactory preparation for this examination is furnished by the intermediate French course of three years recommended by the Modern Language Association. In addition to the course recommended for French A, this preparation comprises the reading of from 400 to 600 pages of moderately difficult French, a portion of it to be in the dramatic form, exercise in giving French paraphrases, and continued practice in grammar and composition.

MATHEMATICS

(1, 2, 4 to be offered by all candidates. In addition, 5 and 6 to be offered for Litt. B., B. S., and C. E.)

In all numerical work special emphasis is laid upon accuracy and facility in reckoning.

In each of the following subjects simple original exercises will be set.

Problems having to do with lengths, areas, or volumes, will be stated, usually, in terms of the metric system of weights and measures.

1. *Algebra to Quadratics, A I.* The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

2. *Elementary Algebra, Quadratics through the Binomial Theorem, A II.* Quadratic equations, equations in one or more unknown quantities that can be solved by the methods of quadratic equations, ratio and proportion, the progressions, the elementary treatment of permutations and combinations, the binomial theorem for positive integral exponents, and the use of four, five, and six place logarithms.

4. *Plane Geometry.* Demonstrations of theorems, and constructions and demonstrations of problems; the solution of simple numerical exercises, including lengths of lines and areas of the triangle, parallelogram, trapezoid, regular polygons, and circle; simple original exercises in construction and demonstration.

5. *Solid Geometry.* Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons (including prisms, parallelepipeds, pyramids, and the regular solids) of cylinders, cones, and spheres, of spherical triangles, and the mensuration of these solids and their surfaces.

6. *Plane Trigonometry.* Definitions of the six trigonometric functions as ratios, relations between these six functions, values of the functions for 0° , 30° , 45° , 60° , 90° ,

120° , 135° , etc., etc., formulas for the sine, cosine, and tangent of the sum or difference of two angles for all angles, formulas for the sum or difference of two sines or two cosines, expressions for the functions of double and half angles, trigonometric identities and equations, theory of logarithms and the use of trigonometric tables, and the solution of right and oblique plane triangles. A knowledge of the meaning of the circular measure of angles, and of the inverse trigonometric functions is also desirable.

PHYSICS

The requirement in Elementary Physics may be met in either of the two following ways:

1. *Physics A.* By passing an examination on the subject as it is presented in such text-books as *Gage's Principles of Physics*. In this examination much emphasis will be laid upon the student's ability to solve numerical problems.

2. *Physics B.* By presenting a laboratory note-book containing full records of all the experimental work performed by the student during his course of preparation. This note-book must bear the certificate of the instructor that the records were made by the student himself, and that they are a faithful description of the laboratory work actually done by him. The note-book should be paged and properly indexed. The presentation of this note-book will excuse the student from the examination on the general subject, but he will still be examined on the solution of numerical problems as prescribed in A. The metric system will be used exclusively in the examination.

In order to meet requirement A at least one school year, with four or five recitations per week, should be devoted to the subject. This course should be accompanied by class-room demonstrations conducted by the teacher. Requirement B may be met in the same length of time by dividing the time about equally between recitations based on a suitable text-book, and laboratory exercises performed by

the student himself. While it is desirable that this laboratory work have a large range and accordingly be mainly of a qualitative character, still due stress should be laid upon the performance of exact quantitative work.

CHEMISTRY

1. *Chemistry.* The candidate's preparation should include: (1) The study of a standard text book, (2) instruction by lecture-table demonstrations, and (3) individual laboratory work, embracing forty exercises selected from some such work as Smith and Keller's Experiments for Students in General Chemistry.

The requirement embraces the sources, preparation, physical and chemical properties of the following elements and their most important compounds—*Hydrogen, oxygen, chlorine, nitrogen, carbon, bromine, iodine, fluorine, sulphur, phosphorus, arsenic, silicon, potassium, sodium, calcium, magnesium, aluminium, zinc, iron, manganese, copper, mercury, silver, lead, and tin.* Detailed study should be given to the italicized elements and their compounds. Further, candidates should be well posted in matters relating to natural waters, the atmosphere, the laws of chemical combinations by weight and by volume, oxidation and reduction, combustion, nascent state, catalysis, bases, acids, and salts, the nature and structure of flames, precipitation, distillation, crystallization, the elementary gas laws and their applications, the atomic and molecular theories, equation writing, stoichiometrical calculations and valency. They should also have some elementary knowledge of chemical energy, mass action, equilibrium, and the ionic theory.

At the examination each candidate must hand in, along with his paper, a note book containing a detailed record of the practical work done by him in the laboratory, and this note book must bear the endorsement of his instructor.

The requirements are intended to be essentially equiva-

lent to those specified in the Plan of Organization of the College Entrance Examination Board of the Middle States and Maryland.

EXAMINATION CERTIFICATES ISSUED BY THE COLLEGE ENTRANCE EXAMINATION BOARD

will be accepted in place of the regular entrance examinations, in so far as the certificates presented correspond to the requirements of this University. Candidates offering such certificates are required to submit therewith the testimonials as to character and general fitness prescribed above for other candidates. The latter testimonial shall state definitely the amount of work done in each subject offered for examination.

ADMISSION TO SPECIAL COURSES

In exceptional cases students, are admitted to the privileges of the University, not as members of any one of the four regular classes or candidates for a degree, and are allowed to take special undergraduate courses, selected under the direction of the Faculty, in such a manner as to secure full and profitable employment of their time. Such special students undergo an entrance examination sufficient to ascertain their preparation for the courses proposed, and are subject to the same regulations and discipline and to the same examinations in the studies pursued as other undergraduates. Those desiring to enter as special students are expected to take the regular entrance examinations upon such subjects as they offer, and in case the applicant passes in a sufficient number of subjects ordinarily he will be accorded a special course of study. These special courses, however, are not offered to those who have failed in the regular course.

When special students are finally leaving the University certificates of proficiency, signed by the President and

Registrar, may be granted them on report by the Committee on Special Students that they have completed the courses on their schedule.

ADMISSION TO ADVANCED STANDING

Candidates for admission to an advanced class will be examined in the studies previously pursued by the class they propose entering, and may also be required to pass the regular examinations for admission to the Freshman Class. While a certificate of satisfactory work done in any of these studies in another institution will not necessarily excuse from examination, it may in some degree modify the examination, and should therefore always be presented. Examinations for advanced standing are held ordinarily in Princeton only.

Candidates for admission to the Sophomore class, who have not completed the studies of the Freshman class at another approved institution, must first pass an examination on the studies required for admission to the Freshman class.

Candidates for admission to the Sophomore, Junior, or Senior class, when coming from another institution, are examined only in the studies of the year preceding that which they wish to enter, provided they present evidence that they have passed satisfactory examinations on the previous studies of the curriculum and entrance requirements, or their equivalents.

A candidate coming from an undergraduate class in an approved institution may be allowed, at the discretion of the Faculty, to enter the next lower class in this University without examination, provided he present satisfactory certificates from his former institution.

At the discretion of the Faculty the Bachelor diploma of an approved institution may be taken in place of the examination for entrance to the Senior year.

No person is admitted to the University as a candidate

for a Bachelor's degree or for the degree of Civil Engineer after the beginning of the first term of the Senior year.

REGULATION CONCERNING SECRET SOCIETIES

Immediately after the beginning of the Academic year the students entering the Undergraduate Department meet according to announcement for matriculation and subscription to the following pledge required by the Board of Trustees:

We, the undersigned, do individually for ourselves promise, without any mental reservation, that we will have no connection whatever with any secret society, nor be present at the meetings of any secret society in this or any other institution so long as we are members of Princeton University; it being understood that this promise has no reference to the American Whig and Clisophic Societies. We also declare that we regard ourselves bound to keep this promise and on no account whatever to violate it.